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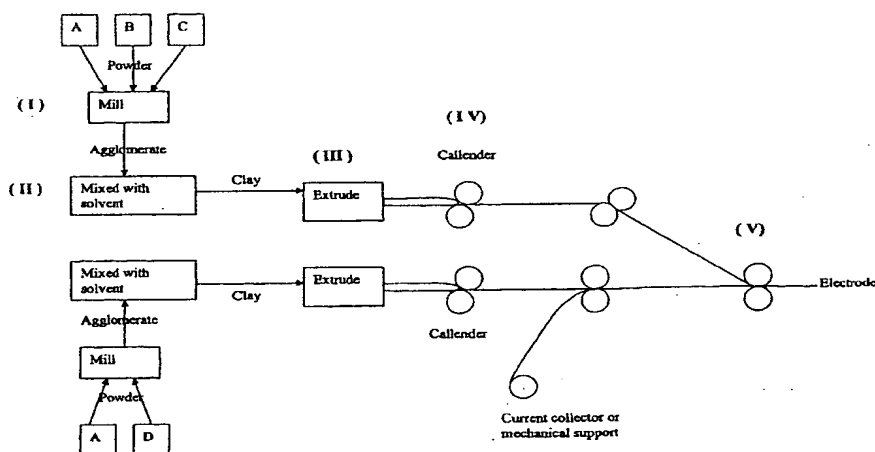
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(54) Title: PRODUCTION OF GAS DIFFUSION ELECTRODES



(57) Abstract: A method for the production of a gas diffusion electrode is described, and especially a method for producing a plastic bounded thin gas diffusion electrode with high catalytic activity for the oxygen or the hydrogen reaction. The method comprising the following steps: agglomerating a powder mixture with PTFE particles in a dry form to produce a dry agglomerate; adding an organic solvent to the dry agglomerate to produce a paste; calendering the paste into a thin sheet with a thickness less than 1 mm, to form an active layer or gas diffusion layer, in which one or both contain a current collector; and combining said active layer and said gas diffusion layer to form the gas diffusion electrode. The gas diffusion electrode thus produced may be used for example in fuel cells, metal-air batteries or membranes.

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